Journal of Periodontology

PUBLISHED BY THE AMERICAN ACADEMY OF PERIODONTOLOGY

Author Index to Volume 58, Numbers 1 through 12

Adams, D. F.: See McCoy, S. A.

Addy, M.; Dummer, P. M. H.; Hunter, M. L; Kingdon, A.; Shaw, W. C.: A Study of the Association of Fraenal Attachment, Lip Coverage, and Vestibular Depth with Plaque and Gingivitis 752

Addy, M.: See Francis, J. R.

Aeppli, D. M.: See Bakdash, M. B.

Aeppli, D. M.: See Pihlstrom, B. L.

Aeppli, D. M.: See Wolff, L. F.

Agudio, G.: See Pini Prato, G. P.

Ahl, D. R.: See Assad, D. A.

Ahl, D. R.: See Hardekopf, J. D.

Akachi, K.: See Saito, I.

Albini, B.: See Christersson, L. A.

Amler, M. H.: Osteogenic Potential of Nonvital Tissues and Synthetic Implant Materials 758

Anderson, D. C.: See Waldrop, T. C.

Arnold, R. R.: See Ramp, W. K.

Årtun, J.; Osterberg, S. K.: Periodontal Status of Teeth Facing Extraction Sites Long-Term after Orthodontic Treatment 24

Asikainen, S.; Jousimies, H.; Kanervo, A.; Summanen, P.: Certain Bacterial Species and Morphotypes in Localized Juvenile Periodontitis and in Matched Controls 224

Assad, D. A.; Dunlap, R. M.; Weinberg, S. R.; Ahl, D. R.: Biologic Preparation of Diseased Root Surfaces—An *In Vitro* Study 30

Aukhil, I.; Pettersson, E.; Suggs, C.: Periodontal Wound Healing in the Absence of Periodontal Ligament Cells 71

Aukhil, I.: See Fernyhough, W.

Axelrod, S.: See Minkoff, S.

Baden, E.; Saroff, S. A.: Periapical Cemental Dysplasia and Periodontal Disease—A Case Report with Review of the Literature 187

Bakdash, M. B.; Wolff, L. F.; Pihlstrom, B. L.; Aeppli, D. M.; Bandt, C. L.: Salt and Peroxide Compared with Conventional Oral Hygiene—III. Patient Compliance and Acceptance 308

Bakdash, M. B.: See Pihlstrom, B. L.

Bakdash, M. B.: See Wolff, L. F.

Bandt, C. L.: See Bakdash, M. B.

Bandt, C. L.: See Pihlstrom, B. L.

Bandt, C. L.: See Wolff, L. F.

Barak, S.; Engelberg, I. S.; Hiss, J.: Gingival Hyperplasia Caused by Nifedipine—Histopathologic Findings 639

Barber, P. N.: See Liakoni, H.

Barczynski, J. L.; Fletcher, R. D.; Segal, A. H.; Conway, J. C.: Viadent®, Ethanol, and pH Effects upon Gingival Epithelial-like Cells, *in Vitro* 622

Barrett, A. P.: Neutropenic Ulceration—A Distinctive Clinical Entity 51

Barton, N. S.; Van Swol, R. L.: Periodontally Diseased vs. Normal Roots as Evaluated by Scanning Electron Microscopy and Electron Probe Analysis 634

Bascones, A.: Bacterial Invasion in Periodontal Disease: A Workshop 331

Bassiouny, M.: See Salkin, L.

Becker, B. E.: See Becker, W.

Becker, W.; Becker, B. E.; Prichard, J. F.; Caffesse, R.; Rosenberg, E.: Root Isolation for New Attachment Procedures—A Surgical and Suturing Method: Three Case Reports 819

Benoliel, R.: See Katz, J.

Bergeron, M. J.: See Clark, D. C.

Bergeron, M. J.: See Quee, T. C.

Berkstein, S.; Reiff, R. L.; McKinney, J. F.; Killoy, W. J.: Supragingival Root Surface Removal during Maintenance Procedures Utilizing as Air-Powder Abrasive System or Hand Scaling—An *in Vitro* Study 327

Best, A. M.: See Gunsolley, J. C.

Bial, J. J.; Mellonig, J. T.: Radiographic Evaluation of Juvenile Periodontitis (Periodontosis) 321

Bissada, N. F.: See Krejci, C. B.

Bissada, N. F.: See Stetler, K. J.

Blumenshine, R. V. H.: See Breininger, D. R.

Bourgouin, J.: See Quee, T. C.

Brautbar, C.: See Katz, J.

Breininger, D. R.; O'Leary, T. J.; Blumenshine, R. V. H.: Comparative Effectiveness of Ultrasonic and Hand Scaling for the Removal of Subgingival Plaque and Calculus 9

Brown, F. H.; Houston, G. D.; Lubow, R. M.; Sagan, M. A.: Adenomatoid Hyperplasia of Mucous Salivary Glands—Report of Two Cases 125

Brown, F. H.; Houston, G. D.; Lubow, R. M.; Sagan, M. A.: Cyst of the Incisive (Palatine) Papilla—Report of a Case 274

Buchanan, S. A.; Robertson, P. B.: Calculus Removal by Scaling/Root Planing with and without Surgical Access 159

Buchanan, S. A.; Jenderseck, R. S.; Granet, M. A.; Kircos, L. T.; Chambers, D. W.; Robertson, P. B.: Radiographic Detection of Dental Calculus 747

Burmeister, J. A.: See Gunsolley, J. C.

Bye, F. L.; Krause, M. E.; Regezi, J. A.; Caffesse, R. G.: Histologic Evaluation of Periodontal Implants in a Biologically "Closed" Model 110

Caffesse, R.: See Becker, W.

Caffesse, R. G.; Smith, B. A.; Nasjleti, C. E.; Lopatin, D. E.: Cell Proliferation after Flap Surgery, Root Conditioning and Fibronectin Application 661

Caffesse, R. G.: See Bye, F. L.

Caffesse, R. G.: See Nasjleti, C. E.

Caffesse, R. G.: See Smith, B. A.

Carlsson, G.: See Hanamura, H.

Journal of Periodontology

PUBLISHED BY THE AMERICAN ACADEMY OF PERIODONTOLOGY

Author Index to Volume 58, Numbers 1 through 12

Adams, D. F.: See McCoy, S. A.

Addy, M.; Dummer, P. M. H.; Hunter, M. L; Kingdon, A.; Shaw, W. C.: A Study of the Association of Fraenal Attachment, Lip Coverage, and Vestibular Depth with Plaque and Gingivitis 752

Addy, M.: See Francis, J. R.

Aeppli, D. M.: See Bakdash, M. B.

Aeppli, D. M.: See Pihlstrom, B. L.

Aeppli, D. M.: See Wolff, L. F.

Agudio, G.: See Pini Prato, G. P.

Ahl, D. R.: See Assad, D. A.

Ahl, D. R.: See Hardekopf, J. D.

Akachi, K.: See Saito, I.

Albini, B.: See Christersson, L. A.

Amler, M. H.: Osteogenic Potential of Nonvital Tissues and Synthetic Implant Materials 758

Anderson, D. C.: See Waldrop, T. C.

Arnold, R. R.: See Ramp, W. K.

Årtun, J.; Osterberg, S. K.: Periodontal Status of Teeth Facing Extraction Sites Long-Term after Orthodontic Treatment 24

Asikainen, S.; Jousimies, H.; Kanervo, A.; Summanen, P.: Certain Bacterial Species and Morphotypes in Localized Juvenile Periodontitis and in Matched Controls 224

Assad, D. A.; Dunlap, R. M.; Weinberg, S. R.; Ahl, D. R.: Biologic Preparation of Diseased Root Surfaces—An *In Vitro* Study 30

Aukhil, I.; Pettersson, E.; Suggs, C.: Periodontal Wound Healing in the Absence of Periodontal Ligament Cells 71

Aukhil, I.: See Fernyhough, W.

Axelrod, S.: See Minkoff, S.

Baden, E.; Saroff, S. A.: Periapical Cemental Dysplasia and Periodontal Disease—A Case Report with Review of the Literature 187

Bakdash, M. B.; Wolff, L. F.; Pihlstrom, B. L.; Aeppli, D. M.; Bandt, C. L.: Salt and Peroxide Compared with Conventional Oral Hygiene—III. Patient Compliance and Acceptance 308

Bakdash, M. B.: See Pihlstrom, B. L.

Bakdash, M. B.: See Wolff, L. F.

Bandt, C. L.: See Bakdash, M. B.

Bandt, C. L.: See Pihlstrom, B. L.

Bandt, C. L.: See Wolff, L. F.

Barak, S.; Engelberg, I. S.; Hiss, J.: Gingival Hyperplasia Caused by Nifedipine—Histopathologic Findings 639

Barber, P. N.: See Liakoni, H.

Barczynski, J. L.; Fletcher, R. D.; Segal, A. H.; Conway, J. C.: Viadent®, Ethanol, and pH Effects upon Gingival Epithelial-like Cells, *in Vitro* 622

Barrett, A. P.: Neutropenic Ulceration—A Distinctive Clinical Entity 51

Barton, N. S.; Van Swol, R. L.: Periodontally Diseased vs. Normal Roots as Evaluated by Scanning Electron Microscopy and Electron Probe Analysis 634

Bascones, A.: Bacterial Invasion in Periodontal Disease: A Workshop 331

Bassiouny, M.: See Salkin, L.

Becker, B. E.: See Becker, W.

Becker, W.; Becker, B. E.; Prichard, J. F.; Caffesse, R.; Rosenberg, E.: Root Isolation for New Attachment Procedures—A Surgical and Suturing Method: Three Case Reports 819

Benoliel, R.: See Katz, J.

Bergeron, M. J.: See Clark, D. C.

Bergeron, M. J.: See Quee, T. C.

Berkstein, S.; Reiff, R. L.; McKinney, J. F.; Killoy, W. J.: Supragingival Root Surface Removal during Maintenance Procedures Utilizing as Air-Powder Abrasive System or Hand Scaling—An *in Vitro* Study 327

Best, A. M.: See Gunsolley, J. C.

Bial, J. J.; Mellonig, J. T.: Radiographic Evaluation of Juvenile Periodontitis (Periodontosis) 321

Bissada, N. F.: See Krejci, C. B.

Bissada, N. F.: See Stetler, K. J.

Blumenshine, R. V. H.: See Breininger, D. R.

Bourgouin, J.: See Quee, T. C.

Brautbar, C.: See Katz, J.

Breininger, D. R.; O'Leary, T. J.; Blumenshine, R. V. H.: Comparative Effectiveness of Ultrasonic and Hand Scaling for the Removal of Subgingival Plaque and Calculus 9

Brown, F. H.; Houston, G. D.; Lubow, R. M.; Sagan, M. A.: Adenomatoid Hyperplasia of Mucous Salivary Glands—Report of Two Cases 125

Brown, F. H.; Houston, G. D.; Lubow, R. M.; Sagan, M. A.: Cyst of the Incisive (Palatine) Papilla—Report of a Case 274

Buchanan, S. A.; Robertson, P. B.: Calculus Removal by Scaling/Root Planing with and without Surgical Access 159

Buchanan, S. A.; Jenderseck, R. S.; Granet, M. A.; Kircos, L. T.; Chambers, D. W.; Robertson, P. B.: Radiographic Detection of Dental Calculus 747

Burmeister, J. A.: See Gunsolley, J. C.

Bye, F. L.; Krause, M. E.; Regezi, J. A.; Caffesse, R. G.: Histologic Evaluation of Periodontal Implants in a Biologically "Closed" Model 110

Caffesse, R.: See Becker, W.

Caffesse, R. G.; Smith, B. A.; Nasjleti, C. E.; Lopatin, D. E.: Cell Proliferation after Flap Surgery, Root Conditioning and Fibronectin Application 661

Caffesse, R. G.: See Bye, F. L.

Caffesse, R. G.: See Nasjleti, C. E.

Caffesse, R. G.: See Smith, B. A.

Carlsson, G.: See Hanamura, H.

Carpenter, W. M.: See Shade, N. L.
Carranza, F. A., Jr.; Kenney, E. B.; Lekovic, Y.; Talamante, E.; Valencia, J.; Dimitrijevic, B.: Histologic Study of Healing of Human Periodontal Defects after Placement of Porous Hydroxylapatite Implants 682
Carranza, F. A., Jr.: See Saglie, F. R.
Castelli, W. A.: See Nasjleti, C. E.
Caton, J. G.; DeFuria, E. L.; Polson, A. M.; Nyman, S.: Periodontal Regeneration via Selective Cell Repopulation 546
Cattabriga, M.: See Di Murro, C.
Celenti, R. S.: See Lamster, I. B.
Celis, A.: See González, S.
Chambers, D. W.: See Buchanan, S. A.
Chan, E. C. S.: See Quee, T. C.
Charbeneau, T.: See Henry, C.
Chasens, A. I.: See Lamster, I. B.
Chilton, N. W.: See Fleiss, J. L.
Christersson, L. A.; Albini, B.; Zambon, J. J.; Wikesjö, U. M. E.; Genco, R. J: Tissue Localization of *Actinobacillus actinomycetemcomitans* in Human Periodontitis—I. Light Immunofluorescence and Electron Microscopic Studies 529
Christersson, L. A.; Wikesjö, U. M. E.; Albini, B.; Zambon, J. J.; Genco, R. J.: Tissue Localization of *Actinobacillus actinomycetemcomitans* in Human Periodontitis—II. Correlation between Immunofluorescence and Culture Techniques 540
Clark, C.: See Quee, T. C.
Clark, D. C.; Quee, T. C.; Bergeron, M. J.; Chan, E. C. S.; Lauter-Lemay, C.; de Gruchy, K.: Reliability of Attachment Level Measurements Using the Cementoenamel Junction and a Plastic Stent 115
Clauser, C.: See Pini Prato, G. P.
Cole, K. L.; Seymour, G. J.; Powell, R. N.: Phenotypic and Functional Analysis of T Cells Extracted from Chronically Inflamed Human Periodontal Tissues ... 569
Conway, J. C.: See Barczynski, J. L.
Cooper, W. R.: See Williams, W. N.
Cornell, C. E.: See Williams, W. N.
Cortellini, P.: See Pini Prato, G. P.
Creamer, H. R.: See McCoy, S. A.
D'Amelio, R.: See Di Murro, C.
D'Angelo, M.: See Valenza, V.
Dean, D. H.; Hiramoto, R. N.; Ghanta, V. K.: Modulation of Immune Response—A Possible Role for Murine Salivary Epidermal and Nerve Growth Factors ... 498
DeFuria, E. L.: See Caton, J. G.
de Gruchy, D.: See Clark, D. C.
Delzer, D. D.: See Shade, N. L.
Diedrich, D. L.: See Layman, D. L.
Dimitrijevic, B.: See Carranza, F. A., Jr.
Di Murro, C.; Nisini, R.; Cattabriga, M.; Simonetti-D'Arca, A.; Le Moli, S.; Paolantonio, M.; Sebastiani, L.; D'Amelio, R.: Rapidly Progressive Periodontitis—Neutrophil Chemotaxis Inhibitory Factors Associated with the Presence of *Bacteroides gingivalis* in Crevicular Fluid 868
Dolby, A.: See Mahmood, M.
Dorsett, D.: See Wilson, T. G., Jr.
Drisko, C. L.; White, C. L.; Killoy, W. J.; Mayberry, W. E.: Comparison of Dark-Field Microscopy and a Flagella Stain for Monitoring the Effect of a Water Pik® on Bacterial Motility 381
Dummer, P. M. H.: See Addy, M.
Dunlap, R. M.: See Assad, D. A.
Dunlap, R. M.: See Hardekopf, J. D.
Echeverri, M.: See Smith, B. A.
Ellinger, R. F.: See Nery, E. B.
Engelberg, I. S.: See Barak, S.
Eslami, A.: See Nery, E. B.
Farah, C.: See Krejci, C. B.
Farina-Lipari, E.: See Valenza, V.
Fernyhough, W.; Aukhil, I.; Link, T.: Orientation of Gingival Fibroblasts in Simulated Periodontal Spaces *in Vitro* Containing Collagen Gels 762
Ferris, G.; Grow, T. E.; Low, S. B.; Ferris, R. T.: Measurement of Gingival Crevicular Fluid Conductivity, *in Vivo* 46
Ferris, R. T.: See Ferris, G.
Fiorello, L. A.: See Lamster, I. B.
Fleiss, J. L.; Park, M. H.; Chilton, N. W.: Within-Mouth Correlations and Reliabilities for Probing Depth and Attachment Level 460
Fletcher, R. D.: See Barczynski, J. L.
Forgas, L. B.; Gound, S.: The Effects of Antiformin-Citric Acid Chemical Curettage on the Microbial Flora of the Periodontal Pocket 153
Foster, R. A.: See Somerman, M. J.
Francis, J. R.; Hunter, B.; Addy, M.: A Comparison of Three Delivery Methods of Chlorhexidine in Handicapped Children—I. Effects on Plaque, Gingivitis and Toothstaining 451
Francis, J. R.; Addy, M.; Hunter, B.: A Comparison of Three Delivery Methods of Chlorhexidine in Handicapped Children—II. Parent and House-Parent Preferences 456
Franzetti, L.: See Terranova, V. P.
Freedman, A.: See Salkin, L.
Fritz, E. F.: See Smithloff, M.
Froum, S.; Stahl, S. S.: Human Itraosseous Healing Responses to the Placement of Tricalcium Phosphate Ceramic Implants—II. 13 to 18 Months 103
Froum, S. J.: See Stahl, S. S.
Fry, H. R.: See Krill, D. B.
Galloway, S. E.; Pashley, D. H.: Rate of Removal of Root Structure by the Use of the Prophy-Jet Device . 464
Gankerseer, E. J.; Walmsley, A. D.: Preliminary Investigation into the Performance of a Sonic Scaler 780
Genco, R. J.: See Christersson, L. A.
Ghanta, V. K.: See Dean, D. H.
Gian-Grasso, J.: See Becker, W.
Glover, M. E.: See Wilson, T. G., Jr.
González, S.; Lobos, I.; Guajardo, A.; Celis, A.; Zemelman, R.; Smith, C. T.; Saglie, F. R.: Yeasts in Juvenile Periodontitis—Preliminary Observations by Scanning Electron Microscopy 119
Gordon, J. M.: See Lamster, I. B.
Gottlieb, S.: See Rossmann, J. A.
Goultschin, J.: See Katz, J.
Granet, M. A.: See Buchanan, S. A.
Greenstein, G.: Effects of Subgingival Irrigation on Periodontal Status 827
Greenwell, H.: See Krejci, C. B.
Gross, J.: See Lauer, H-C.
Ground, S.: See Forgas, L.

Grow, T. E.: See Ferris, G.
Guarjardo, A.: See González, S.
Gunsolley, J. C.; Burmeister, J. A.; Tew, J. G.; Best, A. M.; Ranney, R. R.: Relationship of Serum Antibody to attachment Level Patterns in Young Adults with Juvenile Periodontitis or Generalized Severe Periodontitis 314
Hallmon, W. W.: See Waldrop, T. C.
Hanamura, H.; Houston, F.; Rylander, H.; Carlsson, G. E.; Haraldson, T.; Nyman, S.: Periodontal Status and Bruxism—A Comparative Study of Patients with Periodontal Disease and Occlusal Parafunctions 173
Haraldson, T.: See Hanamura, H.
Hardekopf, J. D.; Dunlap, R. M.; Ahl, D. R.; Pelleu, G. B., Jr.: The "Furcation Arrow"—A Reliable Radiographic Image?..... 258
Harper, D. S.: See Lamster, I. B.
Harper, D. S.: See Wojcicki, C. J.
Henry, C. A.; Ungchussi, T.; Charbeneau, T. D.; Winford, T. E.: Relationships of Serum Opsonins and Complement in Human Experimental Gingivitis 177
Herrin, J. R.; Squier, C. A.; Rubright, W. C.: Development of Erosive Gingival Lesions after Use of a Home Care Technique..... 785
Hic, S.: See Terranova, V. P.
Hiramoto, R. N.: See Dean, D. H.
Hiss, J.: See Barak, S.
Horner, J. A.: See Pashley, D. H.
Horster, M. F.: See Lauer, H-C.
Hou, G-L.; Tsai, C-C.: Relationship between Periodontal Furcation Involvement and Molar Cervical Enamel Projections 715
Houston, F.: See Hanamura, H.
Houston, G. D.: See Brown, F. H.
Hunter, B.: See Francis, J. R.
Hunter, M. L.: See Addy, M.
Imai, H.: See Nobuto, T.
Ito, K.: See Saito, I.
Jacobs, R. L.: See Waldrop, T. C.
Jenderseck, R. S.: See Buchanan, S. A.
Jensen, J. R., Jr.: See Pihlstrom, B. L.
Jensen, J. R.: See Wolff, L. F.
Jousimies-Somer, H.: See Askiainen, S.
Kalfus, D. I.: See Lamster, I. B.
Kanervo, A.: See Asikainen, S.
Katz, J.; Goultschin, J.; Benoliel, R.; Brautbar, C.: Human Leukocyte Antigen (HLA) DR_4—Positive Association with Rapidly Progressing Periodontitis 607
Kawanami, M.: See McCoy, S. A.
Kennedy, J. B.: See Shern, R. J.
Kenney, E. B.: See Carranza, F. A., Jr.
Killoy, W. J.: See Berkstein, S.
Killoy, W. J.: See Drisko, C. L.
Kingdon, A.: See Addy, M.
Kircos, L. T.: See Buchanan, S. A.
Koch, R.: Presidential Address 202
Komiyama, K.: See Saito I.
Koudelka, B. M.: See Rossmann, J. A.
Kowalski, C. J.: See Nasjleti, C. E.
Kowalski, C. J.: See Smith, B. A.
Krause, M. E.: See Bye, F. L.
Krejci, C. B.; Bissada, N. F.; Farah, C.; Greenwell, H.: Clinical Evaluation of Porous and Nonporous Hydroxyapatite in the Treatment of Human Periodontal Bony Defects 521
Krill, D. B.; Fry, H. R.: Treatment of Localized Juvenile Periodontitis (Periodontosis)—A Review 1
Kwan, H-W.: See Lu, H-K. J.
Lamster, I. B.; Oshrain, R. L.; Harper, D. S.: Infantile Agranulocytosis with Survival into Adolescence: Periodontal Manifestations and Laboratory Findings—A Case Report 34
Lamster, I. B.; Kalfus, D. I.; Steigerwald, P. J.; Chasens, A. I.: Rapid Loss of Alveolar Bone Associated with Nonprecious Alloy Crowns in Two Patients with Nickel Hypersensitivity 486
Lamster, I. B.; Harper, D. S.; Fiorello, L. A.; Oshrair, R. L.; Celenti, R. S.; Gordon, J. M.: Lysosomal and Cytoplasmic Enzyme Activity, Crevicular Fluid Volume, and Clinical Parameters Characterizing Gingival Sites with Shallow to Intermediate Probing Depths 614
Lauer, H-C.; Müller, J.; Gross, J.; Horster, M. F.: The Effect of Storage Media on the Proliferation of Periodontal Ligament Fibroblasts 481
Lautar-Lemay, C.: See Clark, D. C.
Lauter-Lemay, C.: See Quee, T. C.
Layman, D. L.; Diedrich, D. L.: Growth Inhibitory Effects of Endotoxins from *Bacteroides gingivalis* and *intermedius* on Human Gingival Fibroblasts *in Vitro*..... 387
Leibach, J. G.: See Pashley, D. H.
Lekovic, V.: See Carranza, F. A., Jr.
Le Moli, S.: See Di Murro, C.
Leon, L. E.; Vogel, R. I.: A Comparison of the Effectiveness of Hand Scaling and Ultrasonic Debridement in Furcations as Evaluated by Differential Dark-Field Microscopy 86
Liakoni, H.; Barber, P. N.; Newman, H. N.: Bacterial Penetration of the Pocket Tissues in Juvenile/Postjuvenile Periodontitis after the Presurgical Oral Hygiene Phase 847
Lin, C-T.:See Lu, H-K. J.
Link, T.: See Fernyhough, W.
Little, W. A.: See Shern, R. J.
Lobos, I.: See González, S.
Loesche, W. J.; Syed, S. A.; Stoll, J.: Trypsin-Like Activity in Subgingival Plaque—A Diagnostic Marker for Spirochetes and Periodontal Disease? 266
Lofthus, J.: See Pertuiset, J. H.
Lopatin, D. E.: See Nasjleti, C. E.
Lopatin, D. E.: See Smith, B. A.
Lopatin, D. R.: See Caffesse, R. G.
Low, S. B.: See Ferris, G.
Low, S. B.: See Williams, W. N.
Lu, H-K. J.; Lin, C-T.; Kwan, H-W.: Treatment of a Patient with Papillon-Lefèvre Syndrome—Case Report 789
Lubow, R. M.: See Brown, F. H.
Lyall, R. M.: See Terranova, V. P.
Mahan, C.: See Yamasaki, A.
Mahan, C. J.: See Yamasaki, A.
Mahmood, M. M.; Dolby, A. E.: The Value of Systemically Administered Metronidazole in the Modified Widman Flap Procedure 147
Malik, A. K.: See Wilson, T. G.
Margiotta, V.: See Valenza, V.
Mayberry, W. E.: See Drisko, C. I.

McCoy, S. A.; Creamer, H. R.; Kawanami, M.; Adams, D. F.: The Concentration of Lipopolysaccharide on Individual Root Surfaces at Varying Times Following *in Vivo* Root Planing 393
McFall, W. T., Jr.; Hamrick S. W.: Clinical Effectiveness of a Dentifrice Containing Fluoride and a Citrate Buffer System for Treatment of Dentinal Sensitivity.. 701
McKinney, J. F.: See Berkstein, S.
McNamara, T. J.: See Nery, E. B.
McQuade, M. J.: See Palou, M. E.
McQaude, M. J.: See Rossmann, J. A.
Meister, F., Jr.: See Nery, E. B.
Mellonig, J. T.: See Bial, J. J.
Merkhofer, R. M.: See Somerman, M. J.
Miller, P. D., Jr.: Root Coverage with the Free Gingival Graft—Factors Associated with Incomplete Coverage 674
Minkoff, S.; Axelrod, S.: Efficacy of Strontium Chloride in Dental Hypersensitivity 470
Mirth, D. B.: See Shern, R. J.
Moro, I.: See Saito, I.
Müller, J.: See Lauer, H-C.
Murai, S.: See Saito, I.
Nasjleti, C. E.; Caffesse, R. G.; Castelli, W.A.; Smith, B. A.; Lopatin, D. E.; Kowalski, C. J.: Effect of Citric Acid and Lyophilized Autologous Plasma on Healing Following Periodontal Flap Surgery in Monkeys 770
Nasjleti, C. E.: See Caffesse, R. G.
Nasjleti, C. E.: See Smith, B. A.
Nelson, S. W.: The Subpedicle Connective Tissue Graft—A Bilaminar Reconstructive Procedure for the Coverage of Denuded Root Surfaces 95
Nestor, M. G.: See Saglie, F. R.
Nery, E. B.; Meister, F., Jr.; Ellinger, R. F.; Eslami, A.; McNamara, T. J.: Prevalence of Medical Problems in Periodontal Patients Obtained from Three Different Populations 564
Newman, H..N.: See Liakoni, H.
Newman, M. G.: See Saglie, F. R.
Nisengard, R. J.; Rogers, R. S.: The Treatment of Desquamative Gingival Lesions 167
Nisengard, R.: Bacterial Invasion in Periodontal Disease: A Workshop 331
Nisengard, R.: See Saglie, F. R.
Nisini, R.: See Di Murro, C.
Nobuto, T.; Tokioka, T.; Imai, H.; Suwa, F.; Ohta, Y.; Yamaoka, A.: Microvascularization of Gingival Wound Healing Using Corrosion Casts 240
Nyman, S.: See Caton, J. G.
Nyman, S,: See Hanamura, H.
Odle, B. M.,: See Offenbacher, S.
Offenbacher, S.; Scott, S. S.; Odle, B. M.; Wilson-Burrows, C.; Van Dyke, T. E.: Depressed Leukotriene B_4 Chemotactic Response of Neutrophils from Localized Juvenile Periodontitis Patients 602
Ohta, Y.,: See Nobuto, T.
O'Leary, T. J.,: See Breininger, D. R.
Oshrain, R. L.,: See Lamster, I. B.
Oshrain, R. L.,: See Lamster, I. B.
Osterberg, S. K.,: See Årtun, J.
Palou, M. E.; McQuade, M. J.; Rossmann, J. A.: The Use of Ultrasound for the Determination of Periodontal Bone Morphology 262
Paolantonio, M.: See Di Murro, C.
Park, M. H.: See Fleiss, J. L.
Pashley, D. H.; Leibach, J. G.; Horner, J. A.: The Effects of Burnishing NaF/Kaolin/Glycerin Paste on Dentin Permeability 19
Pashley, D. H.: See Galloway, S. E.
Pelleu, G. B., Jr.: See Hardekopf, J. D.
Perez-Mera, M.: See Somerman, M. J.
Pertuiset, J. H.; Saglie, F. R.; Lofthus, J.; Rezende, M.; Sanz, M.: Recurrent Periodontal Disease and Bacterial Presence in the Gingiva 553
Pertuiset, J. H.: See Saglie, F. R.
Pettersson, E.: See Aukhil, I.
Pihlstrom, B. L.; Wolff, L. F.; Bakdash, M. B.; Schaffer, E. M.; Jensen, J. R., Jr.; Aeppli, D. M.; Bandt, C. L.: Salt and Peroxide Compared with Conventional Oral Hygiene—I. Clinical Results 291
Pihlstrom, B. L.: See Bakdash, M. B.
Pihlstrom, B. L.: See Wolff, L. F.
Pinero, G.: See Yamasaki, A.
Pinero, G. J.: See Yamasaki, A.
Pini Prato, G. P.; Cortellini, P.; Aqudio, G.; Clauser, C.: Human Fibrin Glue Versus Sutures in Periodontal Surgery 426
Polson, A. M.: See Caton, J. G.
Powell, R. N.: See Cole, K. L.
Prichard, J. F.: See Becker, W.
Quee, T. C.; Chan, E. C. S.; Clark, C.; Lauter-Lemay, C.; Bergeron, M-J.; Bourgouin, J.; Stamm, J.: The Role of Adjunctive Rodogyl Therapy in the Treatment of Advanced Periodontal Disease—A Longitudinal Clinical and Microbiologic Study 594
Quee, T. C.: See Clark, D. C.
Quirynen, M.: See Thevissen, E.
Ramp, W. K.; Arnold, R. R.; Russell, J. E.; Yancey, J. M.: Hydrogen Peroxide Inhibits Glucose Metabolism and Collagen Synthesis in Bone 340
Ranney, R. R.: See Gunsolley, J. C.
Raoufi, D.: See Saglie, F. R.
Regezi, J. A.: See Bye, F. L.
Reiff, R. L.: See Berkstein, S.
Rezende, M.: See Pertuiset, J. H.
Rezende, M. T.: See Saglie, F.R.
Robertson, P. B.: See Buchanan, S. A.
Robinson, M. F.: See Savage, N. W.
Robinson, P. J.: See Wojcicki, C. J.
Rogers, R.: See Nisengard, R.
Rose, G. G.: See Yamasaki, A.
Rosenberg, E.: See Becker, W.
Rossmann, J. A.; Gottlieb, S.; Koudelka, B. M.; McQuade, M. J.: Effects of CO_2 Laser Irradiation on Gingiva 423
Rossmann, J. A.: See Palou, M. E.
Rubright, W. C.: See Herrin, J. R.
Russell, J. E.: See Ramp, W. K.
Rylander, H.: See Hanamura, H.
Sabet, M. S.: See Saglie, F. R.
Sagan, M. A.: See Brown, F. H.
Saglie, F. R.; Pertuiset, J. H.; Smith, C. T.; Nestor, M. G.; Carranza, F. A., Jr.; Newman, M. G.; Rezende, M. T.; Nisengard, R.: The Presence of Bacteria in the Oral Epithelium in Periodontal Disease—III. Correlation with Langerhans Cells 417

Saglie, F. R.; Pertuiset, J. H.; Rezende, M. T.; Sabet, M. S.; Raoufi, D.; Carranza, F. A., Jr.: Bacterial Invasion in Experimental Gingivitis in Man 837
Saglie, F. R.: See González, S.
Saglie, F. R.: See Pertuiset, J. H.
Saito, I.; Komiyama, K.; Moro, I.; Akachi, K.; Shiomi, N.; Ito, K.; Murai, S.; Umemura, S.: Ultrastructural and Immunocytochemical Characterization of Polymorphonuclear Leukocytes from Gingival Crevice in Man 493
Salkin, L. M.; Freedman, A. L.; Stein, M. D.; Bassiouny, M. A.: A Longitudinal Study of Untreated Mucogingival Defects 164
Sandhu, H. S.; Tonna, E. A.; Singh, I. J.: Circadian Rhythms of Gingival Epithelium in Young Mice 345
Sanz, M.: See Pertuiset, J. H.
Saroff, S.: See Baden, E.
Savage, N. W.; Seymour, G. J.; Robinson, M. F.: Cyclosporin-A-Induced Gingival Enlargement—A Case Report 475
Schaffer, E. M.: See Pihlstrom, B. L.
Schaffer, E. M.: See Wolff, L. F.
Schmalstieg, F. C.: See Waldrop, T. C.
Schoen, J. A.: See Wilson, T. G.
Scott, S. S.: See Offenbacher, S.
Sebastiani, L.: See Di Murro, C.
Segal, A. H.: See Barczynski, J. L.
Sewön, L. A.; Söderling, E.: Calcium Concentrations in Dental Plaque of Patients with Juvenile and Adult Periodontitis 611
Seymour, G. J.: See Cole, K. L.
Seymour, G. J.: See Savage, N. W.
Shade, N. L.; Carpenter, W. M.; Delzer, D. D.: Gingival Cyst of the Adult—Case Report of a Bilateral Presentation 796
Shaw, W. C.: See Addy, M.
Shern, R. J.; Little, W. A.; Kennedy, J. B.; Mirth, D. B.: Effects of Octenidine on Dental Plaque and Gingivitis in Monkeys 628
Shiomi, N.: See Saito, L.
Simonetti-D'Arca, A.: See Di Murro, C.
Singh, I. J.: See Sandhu, H. S.
Smith, B. A., Echeverri, M.; Caffesse, R. G.: Mucoperiosteal Flaps with and without Remvoal of the Pocket Epithelium 78
Smith, B. A.; Smith, J. S.; Caffesse, R. G.; Nasjleti, C. E.; Lopatin, D. E.; Kowalski, C. J.: Effect of Citric Acid and Various Concentrations of Fibronectin on Healing Following Periodontal Flap Surgery in Dogs 667
Smith, B. A.: See Caffesse, R. G.
Smith, B. A.: See Nasjleti, C. E.
Smith, C. T.: See González, S.
Smith, C. T.: See Saglie, F. R.
Smith, J. S.: See Smith, B. A.
Smithloff, M.; Fritz, M. E.: The Use of Blade Implants in a Selected Population of Partially Edentulous Adults—A 15-Year Report 589
Söderling, E.: See Sewön, L. A.
Somerman, M. J.; Perez-Mera, M.; Merkhofer, R. M.; Foster, R. A.: *In Vitro* Evaluation of Extracts of Mineralized Tissues for Their Application in Attachment of Fibrous Tissue 349
Squier, C. A.: See Herrin, J. R.
Stahl, S. S.; Froum, S. J.: Histologic and Clinical Responses to Porous Hydroxylapatite Implants in Human Periodontal Defects—Three to Twelve Months Post-implantation 689
Stahl, S. S.: See Froum, S.
Stamm, J.: See Quee, T.C.
Sttenberghe, D. V.: See Thevissen, E.
Steigerwals, P. J.: See Lamster, L. B.
Stein, M.: See Salkin, L.
Stetler, K. J.; Bissada, N. F.: Significance of the Width of Keratinized Gingiva on the Periodontal Status of Teeth with Submarginal Restorations 696
Stoll, J.: See Loesche, W. J.
Suggs, C.: See Aukhil, I.
Summanen, P.: See Asikainen, S.
Suwa, F.: See Nobuto, T.
Swan, R. H.: Odontomas—A Review, Case Presentation and Periodontal Considerations in Treatment 856
Syed, S. A.: See Loesche, W. J.
Talamante, E.: See Carranza, F. A., Jr.
Terranova, V. P.; Hic, S.; Franzetti, L.; Lyall, R. M.; Wikesjö, U. M. E.: A Biochemical Approach to Periodontal Regeneration—AFSCM: Assays for Specific Cell Migration 247
Terranova, V. P.; Wikesjö, U. M. E.: Extracellular Matrices and Polypeptide Growth Factors as Mediators of Functions of Cells of the Periodontium—A Review 371
Tew, J. G.: See Gunsolley, J. C.
Thevissen, E.; Ouirynen, M.; Van Steenberghe, D.: Plaque Removing Effect of a Convex-Shaped Brush Compared with a Conventional Flat Brush 861
Tokioka, T.: See Nobuto, T.
Tonna, E. A.: See Sandhu, H. S.
Tsai, C-C.: See Hou, G-L.
Umemura, S.: See Saito, I.
Ungchusri, T.: See Henry, C.
Valencia, J.: See Carranza, F. A., Jr.
Valenzo, V.; D'Angelo, M.; Farina-Lipari, E.; Farina, F.; Margiotta, V.: Effects of Citric Acid on Human Gingival Epithelium 794
Van Dyke, T. E.: See Offenbacher, S.
Van Swol, R. L.: See Barton, N. S.
Vogel, R. L.: See Leon, L. E.
Waldrop, T. C.; Anderson, D. C.; Hallmon, W. W.; Schmalstieg, F. C.; Jacobs, R. L.: Periodontal Manifestations of the Heritable Mac-1, LFA-1, Deficiency Syndrome—Clinical, Histopathologic and Molecular Characteristics 400
Walmsley, A. D.: See Gankerseer, E. J.
Weinberg, S. R.: See Assad, D. A.
White, C. L.: See Drisko, C. L.
Wikesjö, U. M. E.: See Christersson, L. A.
Wikesjö, U. M. E.: See Terranova, V. P.
Williams, W. N.; Low, S. B.; Cooper, W. R.; Cornell, C. E.: The Effect of Periodontal Bone Loss on Bite Force Discrimination 236
Wilson, T. G., Jr.; Glover, M. E.; Malik, A. K.; Schoen, J. A.; Dorsett, D.: Tooth Loss in Maintenance Patients in a Private Periodontal Practice 231
Wilson, T. G., Jr.: Compliance—A Review of the Literature with Possible Applications to Periodontics 706
Wilson-Burrows, C.: See Offenbacher, S.
Winford, T.: See Henry, C.

Wojcicki, C. J.; Harper, D. S.; Robinson, P. J.: Differences in Periodontal Disease-Associated Microorganisms of Subgingival Plaque in Prepubertal, Pubertal and Postpubertal Children 219
Wolff, L. F.; Pihlstrom, B. L.; Bakdash, M. B.; Schaffer, E. M.; Jensen, J. R.; Aeppli, D. M.; Bandt, C. L.: Salt and Perioxide Compared with Conventional Oral Hygiene—II. Microbial Results 301
Wolff, L. F.: See Bakdash, M. B.
Wolff, L. F.: See Pihlstrom, B. L.
Wright, W. E.: Peridontium Destruction Associated with Oncology Therapy—Five Case Reports 559
Yamaoka, A.: See Nobuto, T.
Yamasaki, A.; Rose, G. G.; Pinero, G. J.; Mahan, C. J.: Microfilaments in Human Cementoblasts and Periodontal Fibroblasts 40
Yamasaki, A.; Rose, G. G.; Pinero, G. J.; Mahan, C. J.: Ultrastructural and Morphometric Analyses of Human Cementoblasts and Periodontal Fibroblasts ... 192
Yancey, J. M.: See Ramp, W. K.
Zambon, J. J.: See Christersson, L. A.
Zemelman, R.: See González, S.

Journal of Periodontology

PUBLISHED BY THE AMERICAN ACADEMY OF PERIODONTOLOGY

Subject Index to Volume 58, Numbers 1 through 12

Actinobacillus actinomycetemcomitans: Tissue Localization of – in Human Periodontitis—I. Light, Immunofluorescence and Electron Microscopic Studies (Christersson, Albini, Zamon, Wikesjö, Genco) 529

Actinobacillus actinomycetemcomitans: Tissue Localization of – in Human Periodontitis—II. Correlation between Immunofluorescence and Culture Techniques (Christersson, Wikesjö, Albini, Zambon, Genco) 540

Adenomatoid Hyperplasia: – of Mucous Salivary Glands—Report of Two Cases (Brown, Houston, Lubow, Sagan) 125

Agranulocytosis: Infantile – with Survival in Adolescence: Periodontal Manifestations and Laboratory Findings—A Case Report (Lamster, Oshrain, Harper) 34

Air-Powder: Supragingival Root Surface Removal during Maintenance Procedures Utilizing an – Abrasive System or Hand Scaling—An *in Vitro* Study (Berkstein, Reiff, McKinney, Killoy) 327

Alloy Crowns: Rapid Loss of Alveolar Bone Associated with Nonprecious – in Two Patients with Nickel Hypersensitivty (Lamster, Kalfus, Steigerwald, Chasens) .. 486

Attachment Level Measurements: Reliability of – Using the Cementoenamel Junction and a Plastic Stent (Clark, Quee, Bergeron, Chan, Lautar-Lemay, de Gruchy) 115

Autologous Plasma: Effect of Citric Acid and Lyophilized – on Healing Following Periodontal Flap Surgery in Monkeys (Nasjleti, Caffesse, Castelli, Smith, Lopatin, Kowalski) 770

Bacteria: The Presence of – in the Oral Epithelium in Periodontal Disease—III. Correlation with Langerhans Cells (Saglie, Pertuiset, Smith, Nestor, Carranza, Jr., Newman, Rezende, Nisengard) 417

Bacterial: Recurrent Periodontal Disease and – Presence in the Gingiva (Pertuiset, Saglie, Lofthus, Rezende, Sanz) 553

Bacterial: – Invasion in Experimental Gingivits in Man (Saglie, Pertuiset, Rezende, Sabet, Raoufi, Carranza, Jr.) 837

Bacterial: – Penetration of the Pocket Tissues in Juvenile Postjuvenile Periodontitis after the Presurgical Oral Hygiene Phase (Liakoni, Barber, Newman) 847

Bacterial Invasion: – in Periodontal Disease: A Workshop (Nisengard, Bascaones) 331

Bacteroides: Growth Inhibitory Effects of Endotoxins from – *gingivalis* and *intermedius* on Human Gingival Fibroblasts *in Vitro* (Layman, Diedrich) 387

Bacteroides gingivalis: Rapidly Progressive Periodontitis—Neutrophil Chemotaxis Inhibitory Factors Associated with the Presence of – in Crevicular Fluid (Di Murro, Nisini, Cattabriga, Simonetti-D'Arca, Le Moli, Paolantonio, Sebastiani, D'Arnelio) 868

Bite Force: The Effect of Periodontal Bone Loss on – Discrimination (Williams, Low, Cooper, Cornell) 236

Bruxism: Periodontal Status and – —A Comparative Study of Patients with Periodontal Disease and Occlusal Parafunctions (Hanamura, Houston, Rylander, Carlsson, Haraldson, Nyman) 173

Calculus: Radiographic Detection of Dental – (Buchanan, Jenderseck, Granet, Kircos, Chambers, Robertson) 747

Cemental Dysplasia: Periapical – and Periodontal Disease—A Case Report with Review of the Literature (Baden, Saroff) 187

Cementoblasts: Microfilaments in Human – and Periodontal Fibroblasts (Yamasaki, Rose, Pinero, Mahan) .. 40

Cementoblasts: Ultrastructural and Morphometric Analyses of Human – and Periodontal Fibroblasts (Yamasaki, Rose, Pinero, Mahan) 192

Chemical Curettage: The Effects of Antiformin-Citric Acid – on the Micorbial Flora of the Periodontal Pocket (Forgas, Gound) 153

Chlorhexidine: A Comparison of Three Delivery Methods of – in Handicapped Children—I. Effects on Plaque, Gingivitis and Toothstaining (Francis, Hunter, Addy) 451

Chlorhexidine: A Comparison of Three Delivery Methods of – in Handicapped Children—II. Parent and House-Parent Preferences (Francis, Addy, Hunter) 456

Circadian Rhythms: – of Gingival Epithelium in Young Mice (Sandhu, Tonna, Singh) 345

Citric Acid: Effect of – and Various Concentrations of Fibronectin on Healing Following Periodontal Flap Surgery in Dogs (Smith, Smith, Caffesse, Nasjleti, Lopatin, Kowalski) 667

Citric Acid: Effect of – and Lyophilized Autologous Plasma on Healing Following Periodontal Flap Surgery in Monkeys (Nasjleti, Caffesse, Castelli, Smith, Lopatin, Kowalski) 770

Citric Acid: Effects of – on Human Gingiva' Epithelium (Valenza, D'Angelo, Farina-Lipari, Farina, Margiotta) 794

Collagen Gels: Orientation of Gingival Fibroblasts in Simulated Periodontal Spaces *in Vitro* Containing – (Fernyhough, Aukhil, Link) 762

Complement: Relationships of Serum Opsonins and – in Human Experimental Gingivitis (Henry, Ungchusri, Charbeneau, Winford) 177

Compliance: – —A Review of the Literature with Possible Applications to Periodontics (Wilson, Jr.) 706

Crevicular Fluid: Measurement of Gingival – Conductivity, *In Vivo* (Ferris, Grown, Low, Ferris) 46

Crevicular Fluid: Lysosomal and Cytoplasmic Enzyme Activity, – Volume, and Clinical Parameters Characterizing Gingival Sites with Shallow to Intermediate Probing Depths (Lamster, Harper, Fiorello, Oshrain, Celenti,

Gordon) 614
Cyclopsorin-A: – -Induced Gingival Enlargement—A Case Report (Savage, Seymour, Robinson) 475
Cyst: – of the Incisive (Palatine) Papilla—Report of a Case (Brown, Houston, Lubow, Sagan) 274
Dental Plaque: Calcium Concentration in – of Patients with Juvenile and Adult Periodontitis (Sewön, Söderling) 611
Dental Plaque: Effects of Octenidine on – and Gingivitis in Monkeys (Shern, Little, Kennedy, Mirth) 628
Dentin: The Effects of Burnishing NaF/Kaolin/Glycerin Paste on – Permability (Pashley, Leibach, Horner) 19
Dentinal Sensitivity: Clinical Effectiveness of a Dentrifrice Containing Fluoride and a Citrate Buffer System for Trertment of – (McFall, Jr., Hamrick) 701
Desquamative: The Treatment of – Gingival Lesions (Nisengard, Rogers) 167
Diagnosis: Radiographic Evaluation of Juvenile Periodontitis (Periodontosis) (Bial, Mellonig) 321
Diagnosis: Within-Mouth Correlations and Reliabilities for Probing Depth and Attachment Level (Fleiss, Park, Chilton) 460
Enamel Projections: Relationship between Periodontal Furcation Involvement and Molar Cervical – (Hou, Tsai) 715
Enzyme Activity: Lysosomal and Cytoplasmic –, Cervicular Fluid Volume, and Clinical Parameters Characterizing Gingival Sites with Shallow to Intermediate Probing Depths (Lamster, Harper, Fiorello, Oshrain, Celenti, Gordon) 614
Erosive Gingival Lesions: Development of – after Use of a Horne Care Technique (Herrin, Squier, Rubright) 785
Extracellular Matrices: – and Polypeptide Growth Factors as Mediators of Functions of Cells of the Periodontium—A Review (Terranova, Wikesjö) 371
Fibrin Glue: Human – Versus Sutures in Periodontal Surgery (Pini Prato, Cortellini, Agudio, Clauser) 426
Fibroblasts: Microfilaments in Human Cementoblasts and Periodontal – (Yamasaki, Rose, Pinero, Mahan) 40
Fibroblasts: Ultrastructural and Morphometric Analyses of Human Cementoblasts and Peridontal – (Yamasaki, Rose, Pinero, Mahan) 192
Fibroblasts: The Effect of Storage Media on the Proliferation of Periodonal Ligament – (Lauer, Müller, Gross, Horster) 481
Fibronectin: Cell Proliferation after Flap Surgery, Root Conditioning and – Application (Caffesse, Smith, Nasmleti, Lopatin) 661
Fibronectin: Effect of Citric Acid and Various Concentrations of – on Healing Following Periodontal Flap Surgery in Dogs (Smith, Smith, Caffesse, Nasjleti, Lopatin, Kowalski) 667
Flagella Stain: Comparison of Dark-Field Microscopy and a – for Monitoring the Effect of a Water Pik® on Bacterial Motility (Drisko, White, Killoy, Mayberry) 381
Fraenal Attachment: A Study of the Association of –, Lip Coverage, and Vestibular Depth with Plaque and Gingivitis (Addy, Dummer, Hunter, Kingdon, Shaw) 752
Furcation Arrow: The "–"—A Reliable Radiographic Image (Hardekopf, Dunlap, Ahl, Pelleu) 258
Genetics: Periodontal Manifestations of the Heritable Mac-1, LFA-1, Deficiency Syndrome—Clinical, Histopathologic and Molecular Characteristics (Waldrop, Anderson, Hallmon, Schmalstieg, Jacobs) 400
Gingiva: Significance of the Width of Keratinized – on the Periodontal Status of Teeth with Submarginal Restorations (Stetler, Bissada) 696
Gingival Hyperplasia: – Caused by Nifedipine—Histopathologic Findings (Barak, Engelberg, Hiss) 639
Gingivitis: Bacterial Invasion in Experimental – in Man (Saglie, Pertuiset, Rezende, Sabet, Raoufi, Carranza, Jr.) 837
Graft: The Subpedicle Connective Tissue – —A Bilaminar Reconstructive Procedure for the Coverage of Denuded Root Surfaces (Nelson) 95
Graft: Root Coverage with the Free Gingival – —Factors Associated with Incomplete Coverage (Miller, Jr.) 674
Growth Factors: Extracellular Matrices and Polypeptide – as Mediators of Functions of Cells of the Peridontium—A Review (Terranova, Wikesjö) 371
Growth Factors: Modulation of Immune Response—A Possible Role for Murine Salivary Epidermal and Nerve – (Dean, Hiramoto, Ghanta) 498
Handicapped: A comparison of Three Delivery Methods of Chlorhexidine in – Children—I. Effects of Plaque, Gingivitis, and Toothstaining (Francis, Hunter, Addy) 451
Handicapped: A Comparison of Three Methods of Chlorhexidine in – Children—II. Parent and House-Parent Preferences (Francis, Addy, Hunter) 456
Hydroxyapatite: Clinical Evaluation of Porous and Nonporous – in the Treatment of Human Periodontal Bony Defects (Krejci, Bissada, Farah, Greenwell) 521
Hydroxylapatite: Histologic Study of Healing of Human Periodontal Defects after Placement of Porous – Implants (Carranza, Jr., Kenney, Lekovic, Talamante, Valencia, Dimitrijevic) 682
Hydroxylapatite: Histologic and Clinical Responses to Porous – Implants in Human Periodontal Defects—Three to Twelve Months Postimplantation (Stahl, Froum) 689
Immunology: Relationship of Serum Antibody to Attachment Level Patterns in Young Adults with Juvenile Periodontitis or Generalized Severe Periodontitis (Gunsolley, Burmeister, Tew, Best, Ranney) 314
Immunology: Phenotypic and Functional Analysis of T Cells Extracted from Chronically Inflamed Human Periodontal Tissues (Cole, Seymour, Powell) 569
Implant: Osteogenic Potential of Nonvital Tissue and Synthetic – Materials (Amler) 758
Implants: Human Intraosseous Healing Responses to the Placement of Tricalcium Phosphate Ceramic – —II. 13 to 18 Months (Froum, Stahl) 103
Implants: Histologic Evaluation of Periodontal – in a Biologically "Closed" Model (Bye, Krause, Regezi, Caffesse) 110
Implants: Clinical Evaluation of Porous and Nonporous Hydroxyapatite in the Treatment of Human Periodontal Bony Defects (Krejci, Bissada, Farah, Greenwell) 521
Implants: The Use of Blade – in a Selected Population of

Partially Edentulous Adults—A 15-Year Report (Smithloff, Fritz) 589
Implants: Histologic Study of Healing of Human Periodontal Defects after Placement of Porous Hydroxylapatite – (Carranza, Kenney, Lekovic, Talamante, Valencia, Dimitrijevic) 682
Implants: Histologic and Clinical Responses to Porous Hydroxylapatite – in Human Periodontal Defects—Three to Twelve Months Postimplantation (Stahl, Froum) 689
Immune: Modulation of – Response—A Possible Role for Murine Salivary Epidermal and Nerve Growth Factors (Dean, Hiramoto, Ghanta) 498
Immunocytochemical: Ultrastructural and – Characterization of Polymorphonuclear Leukocytes from Gingival Crevice in Man (Saito, Komiyama, Moro, Akachi, Shiomi, Ito, Murai, Umemura) 493
Juvenile Periodontitis: Treatment of Localized – (Periodontosis)—A Review (Krill, Fry) 1
Juvenile Periodontitis: Yeasts in – —Preliminary Observations by Scanning Electron Microscopy (González, Lobos, Guajardo, Celis, Zemelman, Smith, Saglie) 119
Juvenile Periodontitis: Certain Bacterial Species and Morphotypes in Localized – and in Matched Controls (Asikainen, Jousimies-Somer, Kanervo-Summanen) 224
Juvenile Periodontitis: Relationship of Serum Antibody to Attachment Level Pattern in Young Adults with – or Generalized Severe Periodontitis (Gunsolley, Burmeister, Tew, Best, Ranney) 314
Juvenile Periodontitis: Radiographic Evaluation of – (Periodontosis) (Bial, Mellonig) 321
Juvenile Periodontitis: Depressed Leukotriene B_4 Chemotactic Response of Neutrophils from Localized – Patients (Offenbacher, Scott, Odle, Wilson-Burrows, Van Dyke) 602
LFA-1: Periodontal Manifestations of the Heritable Mac-1, –, Deficiency Syndrome—Clinical, Histopathologic and Molecular Characteristics (Waldrop, Anderson, Hallmon, Schmalstieg, Jacobs) 400
Langerhans: The Presence of Bacteria in the Oral Epithelium in Periodontal Disease—III. Correlation with – Cells (Saglie, Pertuiset, Smith, Nestor, Carranza, Jr., Newman, Rezende Nisengard) 417
Laser: Effect of CO_2 – Irradiation on Gingiva (Rossmann, Gottlieb, Koudelka, McQuade) 423
Lipopolysaccharide: The Concentration of – on Individual Root Surfaces at Varying Times Following *in Vivo* Root Planing (McCoy, Creamer, Kawanami, Adams) 393
Mac-1: Periodontial Manifestations of the Heritable –, LFA-1, Deficiency Syndrome—Clinical, Histopathologic and Molecular Characteristics (Waldrop, Anderson, Hallmon, Schmalstieg, Jacobs) 400
Maintenance: Tooth Loss in – Patients in a Private Periodontal Practice (Wilson, Glover, Malik, Schoen, Dorsett) 231
Maintenance: Supragingival Root Surface Removal during Maintenance Procedures Utilizing an Air-Powder Abrasive System or Hand Scaling—An *in Vitro* Study (Berkstein, Reiff, McKinney, Killoy) 327
Medical Problems: Prevalence of – in Periodontal Patients Obtained from Three Different Populations (Nery, Meister, Jr., Ellinger, Eslami, McNamara) 564
Metronidazole: The Value of Systemically Administered – in the Modified Widman Flap Procedure (Mahmood, Dolby) 147
Microbiology: The Effects of Antiformin-Citric Acid Chemical Curettage on the Microbial Flora of the Periodontal Pocket (Forgas, Gound) 153
Microbiology: Differences in Periodontal Disease-Associated Microorganisms of Subgingival Plaque in Prepubertal, Pubertal and Postpubertal Children (Wojcicki, Harper, Robinson) 219
Microbiology: Certain Bacterial Species and Morphotypes in Localized Juvenile Periodontitis and in Matched Controls (Asikainen, Jousimies-Somer, Kanervo, Summanen) 224
Microbiology: Comparison of Dark-Field Microscopy and a Flagella Stain for Monitoring the Effect of a Water Pik® on Bacterial Motility (Drisko, White, Killoy, Mayberry) 381
Microbiology: Growth Inhibitory Effects of Endotoxins from *Bacteroides gingivalis* and *intermedius* on Human Gingival Fibroblasts *in Vitro* (Layman, Diedrich) 387
Mineralized Tissues: *In Vitro* Evaluation of Extracts of – for Their Application in Attachment of Fibrous Tissue (Somerman, Perez-Mera, Merkhofer, Foster) 349
Mucogingival: A Longitudinal Study of Untreated – Defects (Salkin, Freedman, Stein, Bassiouny) 164
Mucoperiosteal Flaps: – with and without Removal of the Pocket Epithelium (Smith, Exheverri, Caffesse) 78
Neutropenia: Infantile Agranulocytosis with Survival into Adolescence: Periodontal Manifestations and Laboratory Findings—A Case Report (Lamster, Oshrain, Harper) 34
Neutropenic: – Ulceration—A Distinctive Clinical Entity (Barrett) 51
New Attachment: Root Isolation for – Procedures—A Surgical and Surturing Method: Three Case Reports (Becker, Becker, Prichard, Caffesse, Rosenberg, Gian-Grasso) 819
Nickel: Rapid Loss of Alveolar Bone Associated with Nonprecious Alloy Crowns in Two Patients with – Hypersensitivity (Lamster, Kalfus, Steigerwald, Chasens) 486
Nifedipine: Gingival Hyperplasia Caused by – —Histopathologic Findings (Barak, Engelberg, Hiss) 639
Obituaries:
George G. Rose 109
Nhak Hee Kim 124
Eric T. Hernblom 846
Lewis Fox 855
Octenidine: Effects of – on Dental Plaque and Gingivitis in Monkeys (Shern, Little, Kennedy, Mirth) 628
Odontomas: – —A Review, Case Presentation and Periodontal Considerations in Treatment (Swan) 856
Oncology Therapy: Periodontium Destruction Associated with – —Five Case Reports (Wright) 559
Opsonins: Relationships of Serum – and Complement in Human Experimental Gingivitis (Henry, Ungchusri, Charbeneau, Wimford) 177
Oral Hygiene: Salt and Peroxide Compared with Conventional – —I. Clinical Results (Pihlstrom, Wolff, Bakdash, Schaffer, Jensen, Jr., Aeppli, Bandt) 291
Oral Hygiene: Salt and Peroxide Compared with Conventional – —II. Microbial Results (Wolff, Pihlstrom, Bak-

dash, Schaffer, Jensen, Aeppli, Bandt) 301
Oral Hygiene: Salt and Peroxide Compared with Conventional -- —III. Patient Compliance and Acceptance (Bakdash, Wolff, Pihlstrom, Aeppli, Bandt) 308
Oral Hygiene: Plaque Removing Effect of a Convex-Shaped Brush Compared with a Conventional Flat Brush (Thevissen, Quirynen, Steenberghe) 861
Orthodontic: Periodontal Status of Teeth Facing Extraction Sites Long-Term after -- Treatment (Årtun, Osterberg) 24
Papillon-Lefèvre: Treatment of a Patient with -- Syndrome—A Case Report (Lu, Lin, Kwan) 789
Periodontal Ligament: Periodontal Wound Healing in the Absence of -- Cells (Aukhil, Pettersson, Suggs) .. 71
Periodontal Regeneration: A Biochemical Approach to -- —AFSCM: Assays for Specific Cell Migration (Terranova, Hic, Franzetti, Lyall, Wikesjö) 247
Periodontitis: Relationship of Serum Antibody to Attachment Level Patterns in Young Adults with Juvenile -- or Generalized Severe Periodontitis (Gunsolley, Burmeister, Tew, Best, Ranney) 314
Peroxide: Salt and -- Compared with Conventional Oral Hygiene—I. Clinical Results (Pihlstrom, Wolff, Bakdash, Schaffer, Jensen, Jr., Aeppli, Bandt) 291
Peroxide: Salt and -- Compared with Conventional Oral Hygiene—II. Clinical Results (Wolff, Pihlstrom, Bakdash, Schaffer, Jensen, Aeppli, Bandt) 301
Peroxide: Salt and -- Compared with Conventional Oral Hygiene—III. Patient Compliance and Acceptance (Bakdash, Wolff, Pihlstrom, Aeppli, Bandt) 308
Peroxide: Hydrogen -- Inhibits Glucose Metabolism and Collagen Synthesis in Bone (Ramp, Arnold, Russell, Yancey) 340
Plaque: A Study of the Association of Fraenal Attachment, Lip Coverage, and Vestibular Depth with -- and Gingivitis (Addy, Dummer, Hunter, Kingdon, Shaw) 752
Polymorphonuclear: Ultrastructural and Immunocytochemical Characterization in Man (Saito, Komiyama, Moro, Akachi, Shiomi, Ito, Murai, Umemura) 493
Prepubertal: Differences in Periodontal Disease-Associated Microorganisms of Subgingival Plaque in --, Pubertal and Postpubertal Children (Wojcicki, Harper, Robinson) 219
Presidential Address (Koch) 202
Probing: Within-Mouth Correlations and Reliabilities for -- Depth and Attachment Level (Fleiss, Park, Chilton) 460
Prophy-Jet: Rate of Removal of Root Structure by the Use of the -- Device (Galloway, Pashley) 470
Radiographic: -- Detection of Dental Calculus (Buchanan, Jenderseck, Granet, Kircos, Chambers, Robertson) 747
Rapidly Progressing Periodontitis: Human Leukocyte Antigen (HLA) DR_4—Positive Association with -- (Katz, Goultschin, Benoliel, Brautbar) 607
Rapidly Progressive Periodontitis: -- —Neutrophil Chemotaxis Inhibitory Factors Associated with the Presence of *Bacteroides gingivalis* in Crevicular Fluid (Di Murro, Nisini, Cattabriga, Simonetti-D'Arca, Le Moli, Paolantonio, Sebastiani, D'Amelio) 868
Regeneration: Periodontal -- via Selective Cell Repopulation (Caton, DeFuria, Polson, Nyman) 546
Restorations: Significance of the Width of Keratinized Gingiva on the Periodontal Status of Teeth with Submarginal (Stetler, Bissada) 696
Rodogyl Therapy: The Role of Adjunctive -- in the Treatment of Advanced Periodontal Disease—A Longitudinal Clinical and Microbiologic Study (Quee, Chan, Clark, Lautar-Lemay, Bergeron, Bourgouin, Stamm) 594
Root Coverage: -- with the Free Gingival Graft—Factors Associated with Incomplete Coverage (Miller, Jr.) 674
Root Planing: Calculus Removal by Scaling/-- with and without Surgical Access (Buchanan, Robertson) ... 159
Root Planing: The Concentration of Lipopolysaccharide on Individual Root Surfaces at Varying Times Following *in Vivo* -- (McCoy, Creamer, Kawanami, Adams) 393
Root Surfaces: Biologic Preparation of Diseased -- —An *in vitro* Study (Assad, Dunlap, Weinberg, Ahl) 30
Roots: Periodontally Diseased Vs. Normal -- as Evaluated by Scanning Electron Microscopy and Electron Probe Analysis (Barton, Van Swol) 634
Scaling: Comparative Effectiveness of Ultrasonic and Hand -- for the Removal of Subgingival Plaque and Calculus (Breininger, O'Leary, Blumenshine) 9
Scaling: A Comparison of the Effectiveness of Hand -- and Ultrasonic Debridement in Furcations as Evaluated by Differential Dark-Field Microscopy (Leon, Vogel) 86
Scaling: Calculus Removal by --/Root Planing with and without Surgical Access (Buchanan, Robertson) ... 159
Simulated Periodontal Spaces: Orientation of Gingival Fibroblasts in -- *in Vitro* Containing Collagen Gels (Fernyhough, Aukhil, Link) 762
Sonic Scaler: Preliminary Investigation into the Performance of a -- (Gankerseer, Walmsley) 780
Storage Media: The Effect of -- on the Proliferation of Periodontal Ligament Fibroblasts (Lauer, Müller, Gross, Horster) 481
Strontium Chloride: Efficacy of -- in Dental Hypersensitivity (Minkoff, Axelrod) 470
Subgingival Irrigation: Effects of -- on Periodontal Status (Greenstein) 827
Suturing: Root Isolation for New Attachment Procedures—A Surgical and -- Method: Three Case Reports (Becker, Becker, Prichard, Caffesse, Rosenberg, Gian-Grasso) 819
T Cells: Phenotypic and Functional Analysis of -- Extracted from Chronically Inflamed Human Periodontal Tissues (Cole, Seymour, Powell) 569
Toothbrush: Plaque Removing Effect of a Convex-Shaped Brush Compared with a Conventional Flat Brush (Thevissen, Quirynen, Steenberghe) 861
Tricalcium Phosphates: Human Intraosseous Healing Responses to the Placement of -- Ceramic Implants—II. 13 to 18 Months (Froum, Stahl) 103
Trypsin: -- -Like Activity in Subgingival Plaque—A Diagnostic Marker for Spirochetes and Periodontal Disease? (Loesche, Syed, Stoll) 266
Ultrasonic: Comparative Effectiveness of -- and Hand Scaling for the Removal of Subgingival Plaque and Calculus (Breininger, O'Leary, Blumenshine) 9
Ultrasonic: A Comparison of the Effectiveness of Hand Scaling and -- Debridement in Furcations as Evaluated by Differential Dark-Field Microscopy (Leon, Vogel)

. 86

Ultrasound: The Use of -- for the Determination of Periodontal Bone Morphology (Palou, McQuade, Rossmann) 262

Vestibular Depth: A Study of the Association of Fraenal Attachment, Lip Coverage, and -- with Plaque and Gingivitis (Addy, Dummer, Hunter, Kingdon, Shaw) 752

Viadent®, Ethanol, and pH Effects upon Gingival Epithelial-like Cells, *in Vitro* (Barczyncki, Fletcher, Segal, Conway) 622

Water Pik®: Comparison of Dark-Field Microscopy and Flagella Stain for Monitoring the Effect of a -- on Bacterial Motility (Drisko, White, Killoy, Mayberry) . . . 381

Widman Flap: The Value of Systemically Administered Metronidazole in the Modified -- Procedure (Mahmood, Dolby) 147

Wound Healing: Periodontal -- in the Absence of Periodontal Ligament Cells (Aukhil, Pettersson, Suggs) 71

Wound Healing: Mucoperiosteal Flaps with and without Removal of the Pocket Epithelium (Smith, Echeverri, Caffesse) 78

Wound Healing: Microvascularization of Gingival -- Using Corrosion Casts (Nobuto, Tokioka, Imai, Suwa, Ohta, Yamaoka) 240

Wound Healing: Clinical Evaluation of Porous and Nonporous Hydroxypapatite in the Treatment of Human Periodontal Bony Defects (Krejci, Bissada, Farah, Greenwell) 521

Wound Healing: Periodontal Regeneration via Selective Cell Repopulation (Caton, DeFuria, Polson, Nyman) 546

Wound Healing: Cell Proliferation after Flap Surgery, Root Conditioning and Fibronectin Application (Caffesse, Smith, Nasjleti, Lopatin) 661

Wound Healing: Effect of Citric Acid and Various Concentrations of Fibronectin on Healing Following Periodontal Flap Surgery in Dogs (Smith, Smith, Caffesse, Nasjleti, Lopatin, Kowalski) 667

Wound Healing: Histologic Study of Healing of Human Periodontal Defects after Placement of Porous Hydroxylapatite Implants (Carranza, Jr., Kenney, Lekovic, Talamante, Valencia, Dimitrijevic) 682

Wound Healing: Histologic and Clinical Responses to Porous Hydroxylapatite Implants in Human Periodontal Defects—Three to Twelve Months Postimplantation (Stahl, Froum) 689

Wound Healing: Effect of Citric Acid and Lyophilized Autologous Plasma on Healing Following Periodontal Flap Surgery in Monkeys (Nasjleti, Caffesse, Castelli, Smith, Lopatin, Kowalski) 770

Yeasts: -- in Juvenile Periodontitis—Preliminary Observations by Scanning Electron Microscopy (González, Lobos, Guajardo, Celis, Zemelman, Smith, Saglie) 119